

U.S. Patent Application Serial No. 10/710,589
Amendment filed June 22, 2006
Reply to OA dated January 24, 2006

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A micro-switching device comprising:

a base substrate;

a movable portion including an anchor part and an extending part, the anchor part being connected to the base substrate, the extending part extending from the anchor part and facing the base substrate, wherein the extending part comprises a body having an electrode carrying surface on a side opposite to the base substrate;

a movable contact ~~[[part]]~~ conductor provided on the electrode carrying surface of the extending part ~~on a side opposite to the base substrate;~~

a first stationary contact electrode fixed to the base substrate and including a first contacting part facing the movable contact part; ~~[[and]]~~

a second stationary contact electrode fixed to the base substrate and including a second contacting part facing the movable contact part; and

a first driving electrode formed on the electrode carrying surface of the extending part separately from the body.

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Claim 2 (Currently Amended): The micro-switching device according to claim 1, further comprising ~~a first driving electrode provided on the movable portion on a side opposite to the base substrate, and~~ a second driving electrode fixed to the base substrate and including a section facing the first driving electrode.

Claim 3 (Withdrawn): The micro-switching device according to claim 1, further comprising a first driving electrode provided on the movable portion on a side opposite to the base substrate, a piezoelectric film disposed on the first driving electrode, and a second driving electrode disposed on the piezoelectric film.

Claim 4 (Original): The micro-switching device according to claim 1, wherein the extending part is made of monocrystalline silicon.

Claim 5 (Original): The micro-switching device according to claim 1, wherein at least one of the first stationary contact electrode and the second stationary contact electrode has a thickness of no smaller than 5 μm .

Claim 6 (Original): The micro-switching device according to claim 1, wherein the extending part has a thickness of no smaller than 5 μm .

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Claim 7 (Currently Amended): A micro-switching device comprising:

a base substrate;

a movable portion including an anchor part and an extending part, the anchor part being connected to the base substrate, the extending part extending from the anchor part and facing the base substrate, wherein the extending part comprises a body having an electrode carrying surface on a side opposite to the base substrate;

a stationary member connected to the base substrate;

a movable contact ~~[[part]]~~ conductor provided on the electrode carrying surface of the extending part ~~on a side opposite to the base substrate;~~

a first stationary contact electrode connected to the stationary member and including a first contacting part facing the movable contact part; ~~[[and]]~~

a second stationary contact electrode connected to the stationary member and including a second contacting part facing the movable contact part; and

a first driving electrode formed on the electrode carrying surface of the extending part separately from the body.

Claim 8 (Original): The micro-switching device according to claim 7, wherein the stationary member is spaced away from the movable portion.

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Claim 9 (Original): The micro-switching device according to claim 7, wherein the stationary member surrounds the movable portion.

Claim 10 (Original): The micro-switching device according to claim 7, wherein the stationary member includes a plurality of stationary island parts that are spaced away from one another and are each connected to the base substrate.

Claim 11 (Currently Amended): The micro-switching device according to claim 7, further comprising ~~a first driving electrode provided on the movable portion on a side opposite to the base substrate, and~~ a second driving electrode connected to the stationary member and including a section facing the first driving electrode.

Claim 12 (Original): The micro-switching device according to claim 7, wherein the extending part is made of monocrystalline silicon.

Claim 13 (Original): The micro-switching device according to claim 7, wherein at least one of the first stationary contact electrode and the second stationary contact electrode has a thickness of no smaller than 5 μm .

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Claim 14 (Original): The micro-switching device according to claim 7, wherein the extending part has a thickness of no smaller than 5 μm .

Claim 15 (Canceled)

Claim 16 (Canceled)